

**Ordering number CN12706\_LENINA-S**

Family	Lenina	FWHM	26 degrees
Type	Pack	Efficiency	86 %
LED	CLL040	cd/Im	2.600
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number CN12709\_LENINA-S-DL**

Family	Lenina	FWHM	30 degrees
Type	Pack	Efficiency	78 %
LED	CLL040	cd/Im	1.900
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	48.4 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number CN12707\_LENINA-M**

Family	Lenina	FWHM	40 degrees
Type	Pack	Efficiency	86 %
LED	CLL040	cd/Im	1.500
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number CN12710\_LENINA-M-DL**

Family	Lenina	FWHM	43 degrees
Type	Pack	Efficiency	78 %
LED	CLL040	cd/Im	1.200
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	48.4 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number** CN12711\_LENINA-W-DL

Family	Lenina	FWHM	56 degrees
Type	Pack	Efficiency	76 %
LED	CLL040	cd/Im	0.900
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	48.4 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number** CN12708\_LENINA-W

Family	Lenina	FWHM	59 degrees
Type	Pack	Efficiency	84 %
LED	CLL040	cd/Im	1.000
Color	Metal	Gerber File	Available
Diameter	74 mm		
Height	46.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Screw		
Status	On production		

**Ordering number** CN12965\_LENINA-XW

Family	Lenina	FWHM	71 degrees
Type	Pack	Efficiency	89 %
LED	CLL040	cd/Im	0.600
Color	White	Gerber File	Available
Diameter	74 mm		
Height	46.3 mm		
Style	Round		
Optic Material	PC		
Holder Material	PC		
Fastening	Socket, socket		
Status	On production		

Reflector twist-and-locks into included base part that holds COB

**NOTE:** The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.



## PRODUCT DATASHEET

### Lenina series

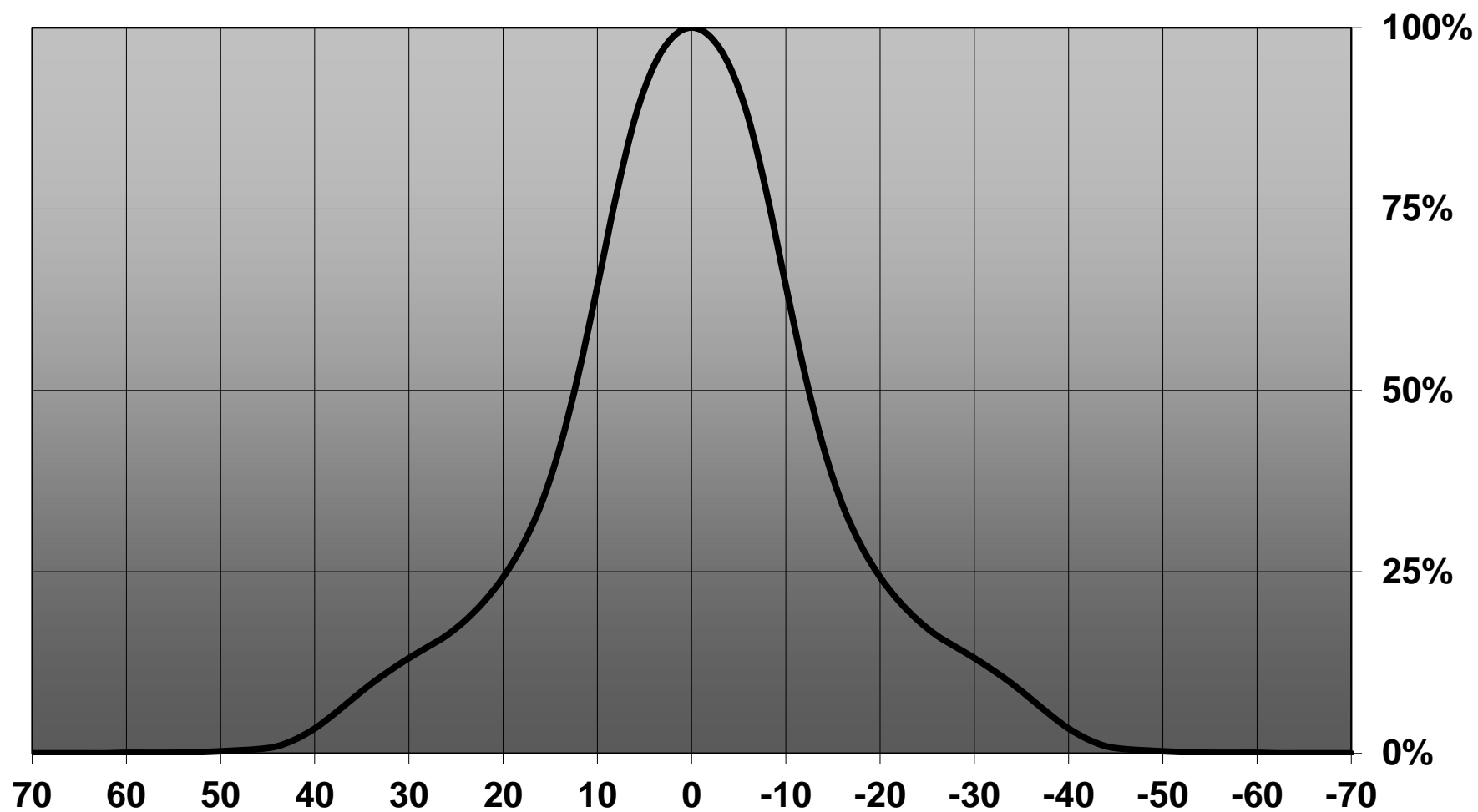
last update 27/2/2013

CITIZEN

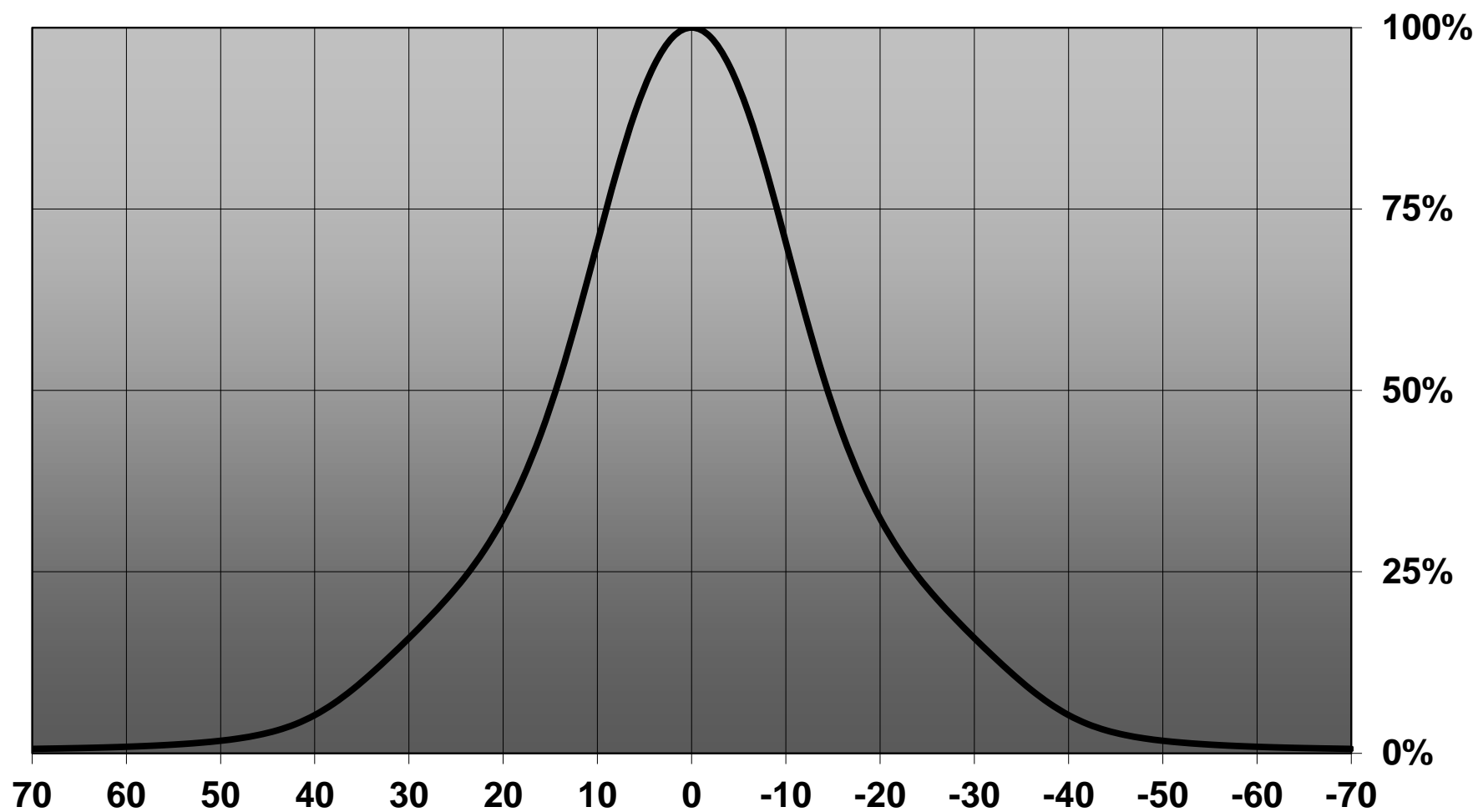
#### GENERAL INFORMATION

- Product series especially designed & optimized for CLL040 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Reflector is made of aluminium coated PC (120 degrees of Celcius / 248 degrees of Fahrenheit) with protective lacquer (110 degrees of Celcius / 230 degrees of Fahrenheit).
- Optic holder molded by high quality PC material (120 dergees of Celcius / 248 degrees of Fahrenheit).

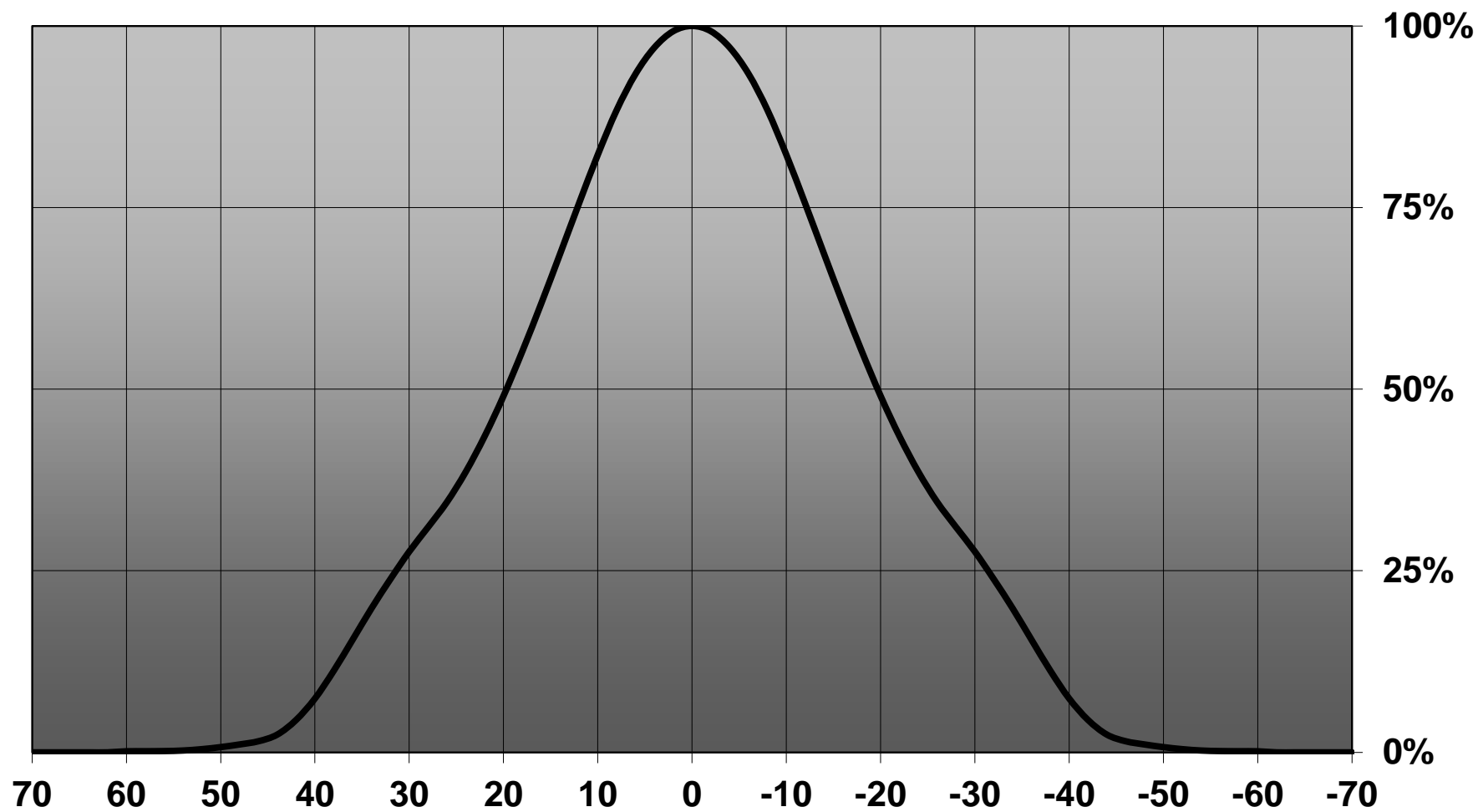
Relative intensity of CN12706\_LENINA-S



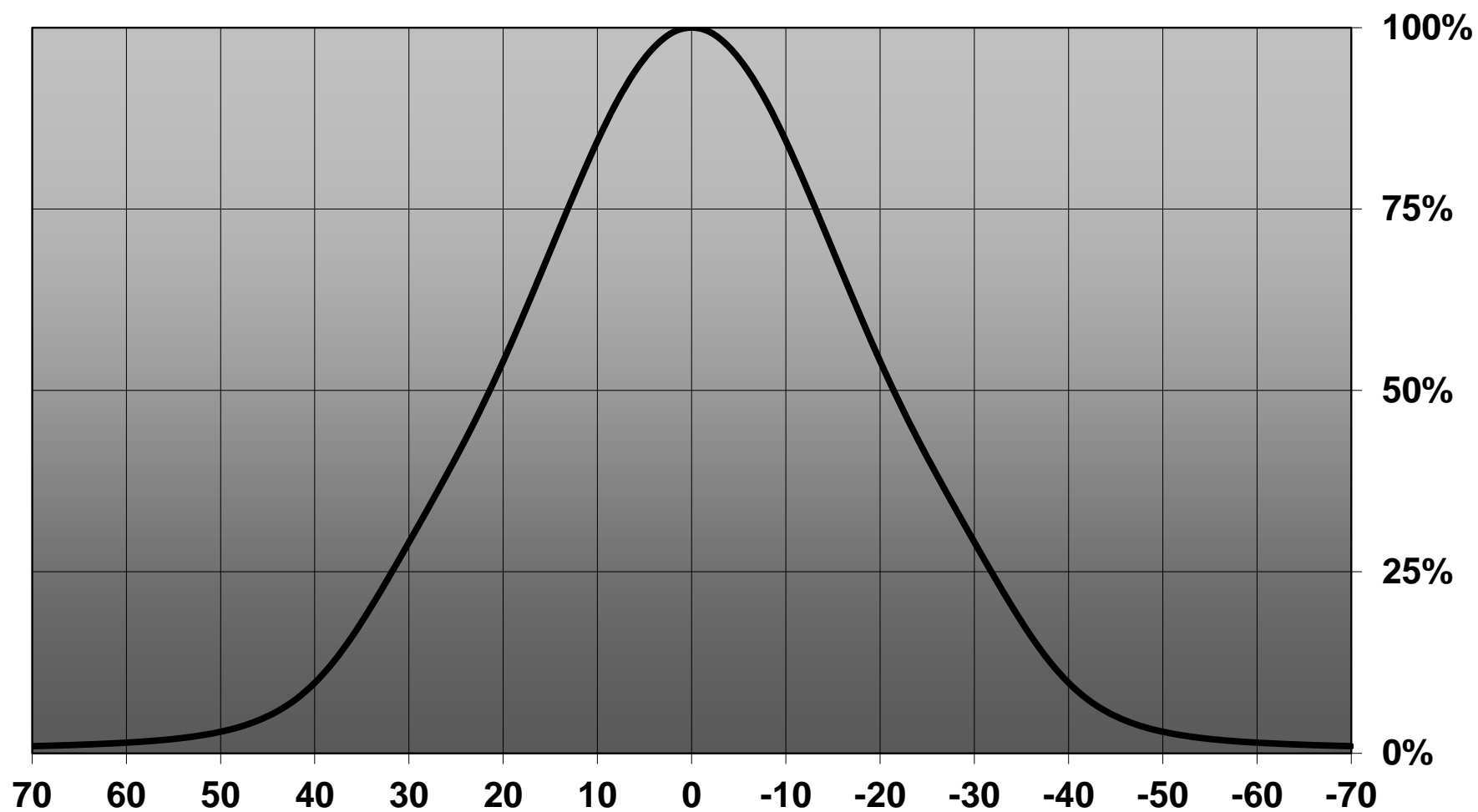
Relative intensity of CN12709\_LENINA-S-DL



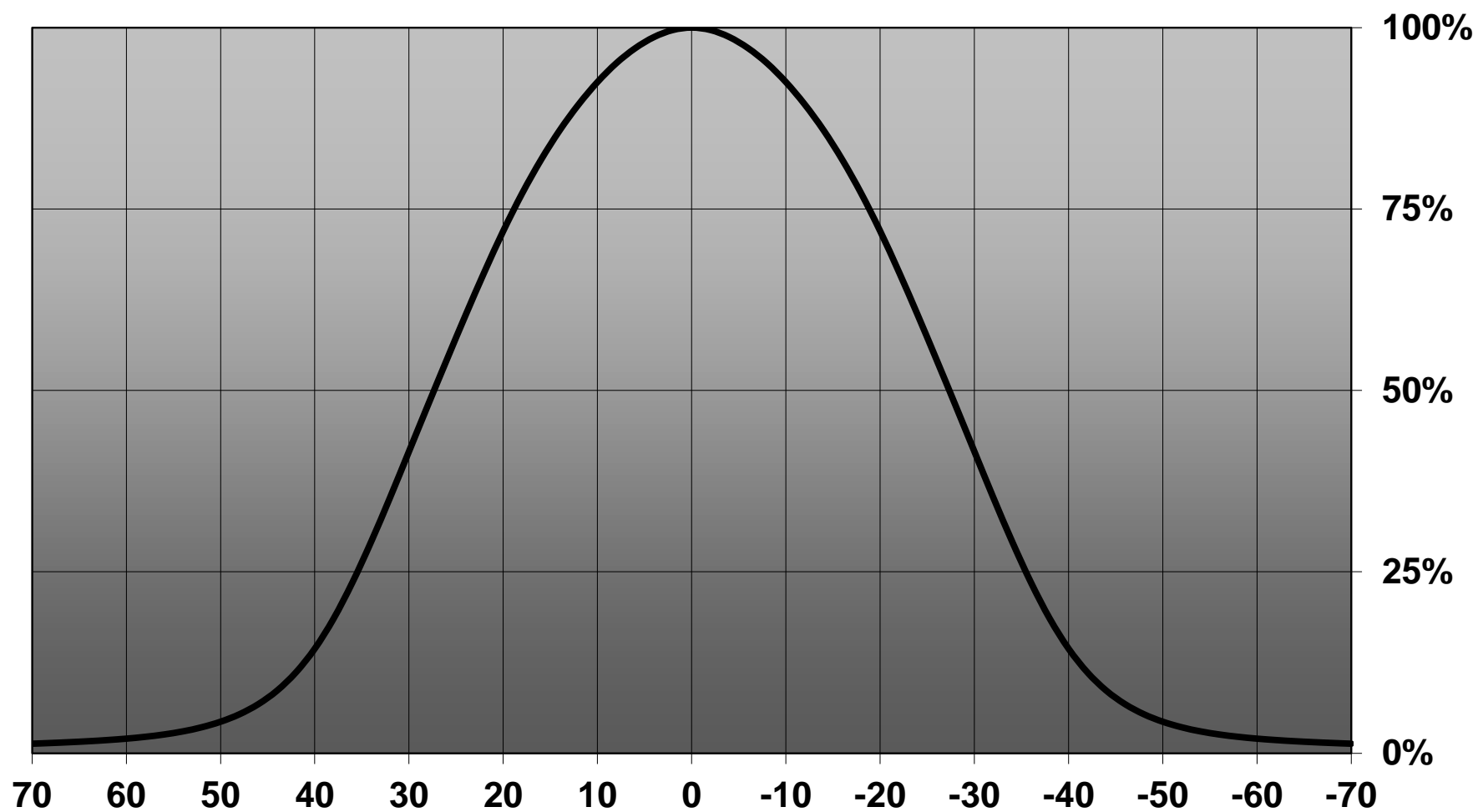
Relative intensity of CN12707\_LENINA-M



**Relative intensity of CN12710\_LENINA-M-DL**

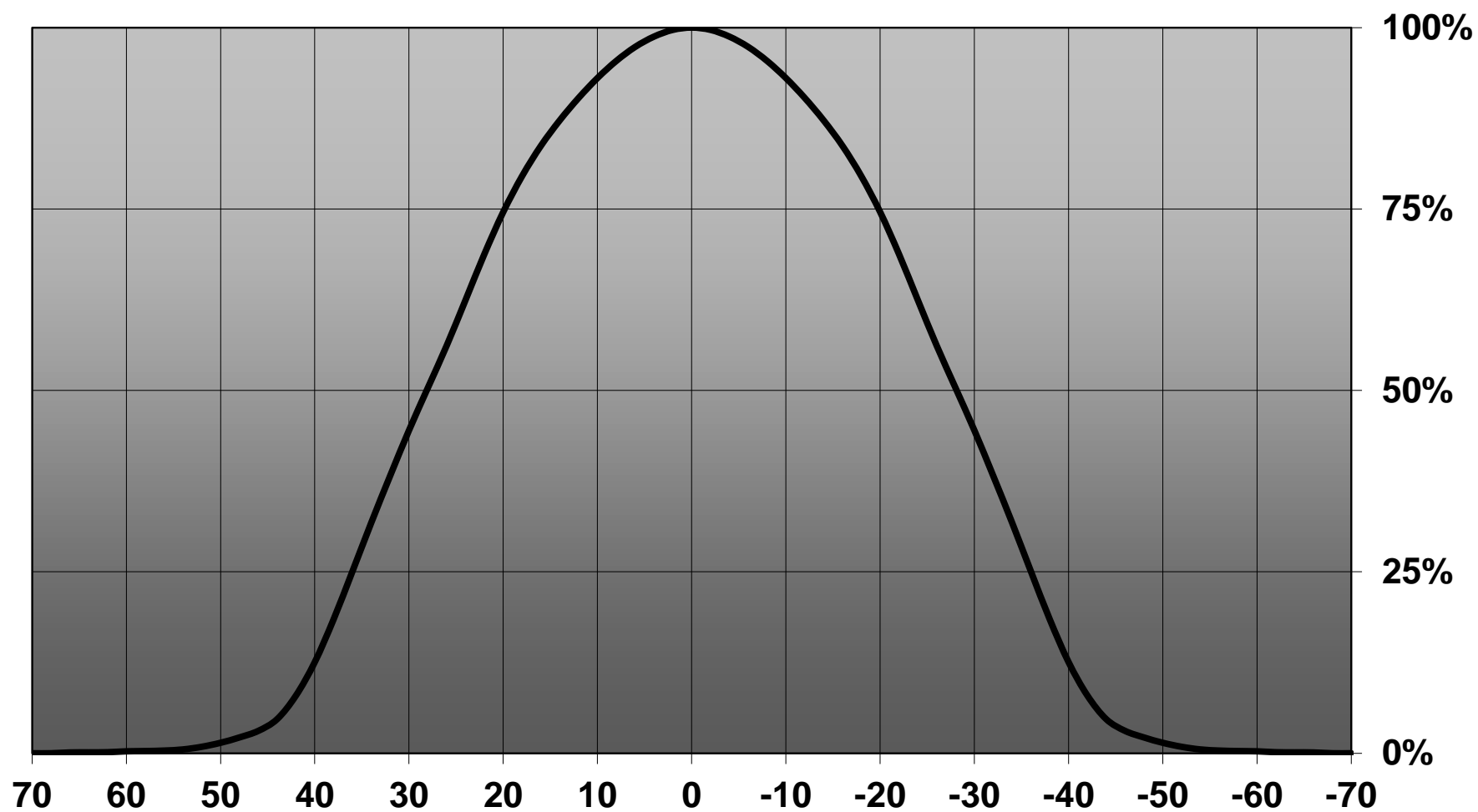


**Relative intensity of CN12711\_LENINA-W-DL**

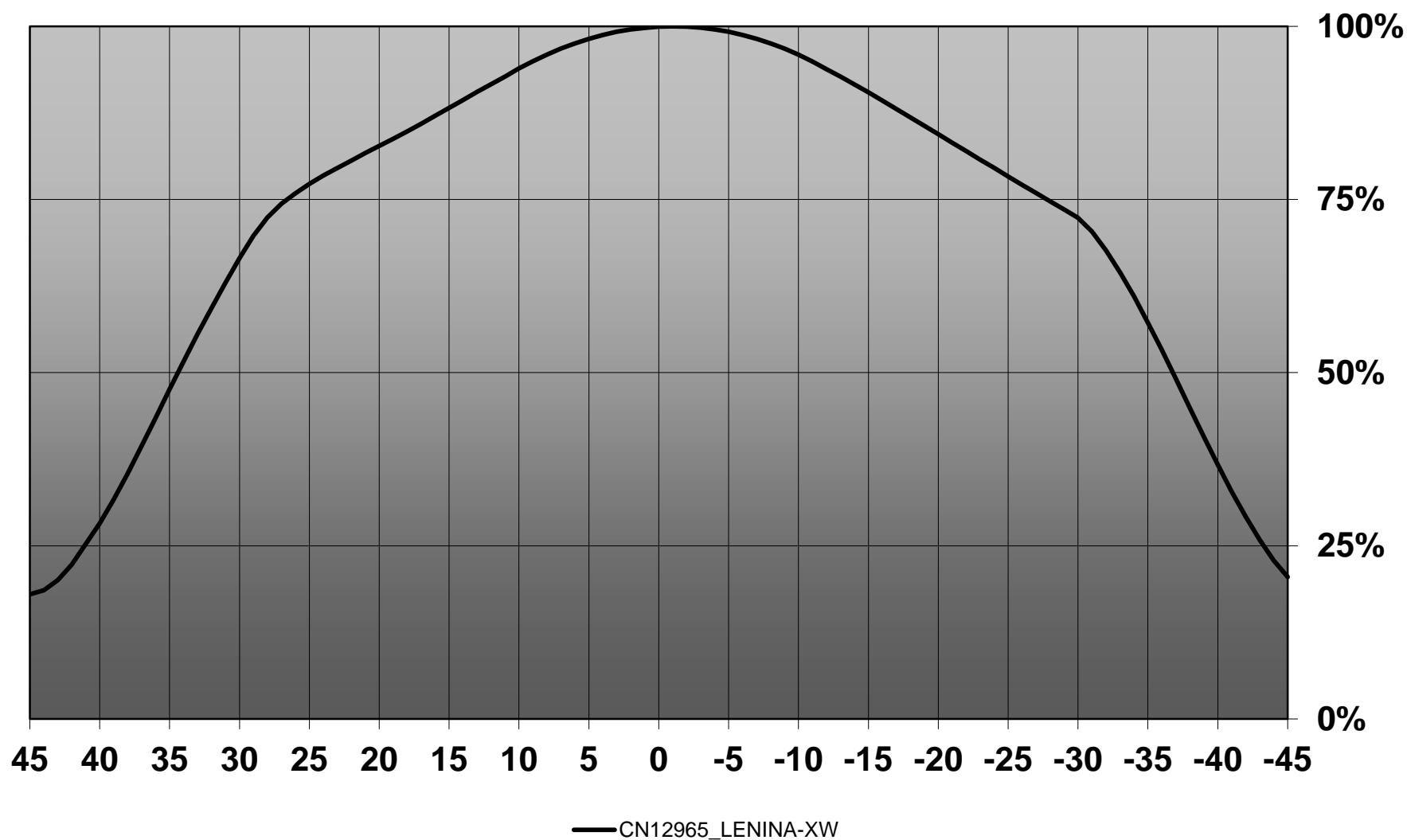




Relative intensity of CN12708\_LENINA-W



# Absolute intensity of CN12965\_LENINA-XW



D C B A

4

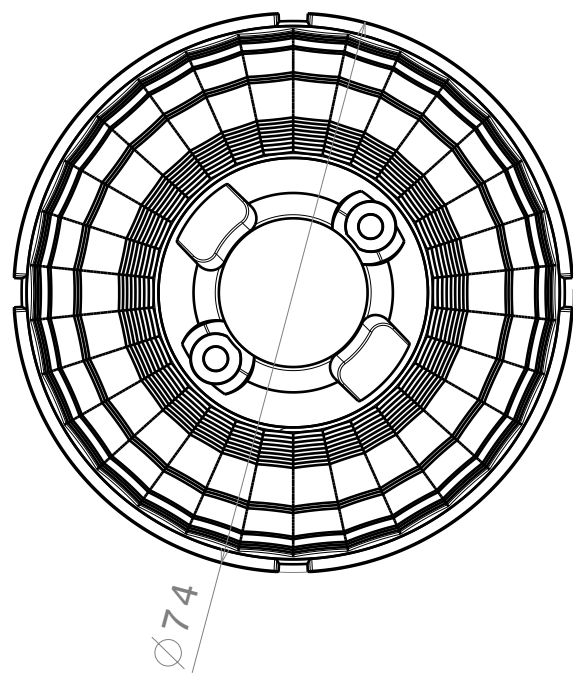
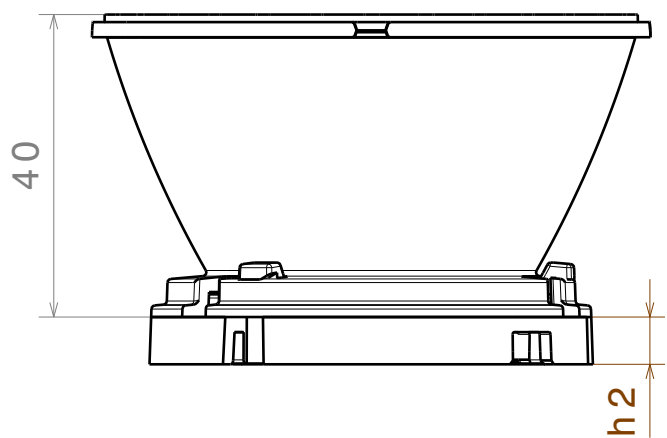
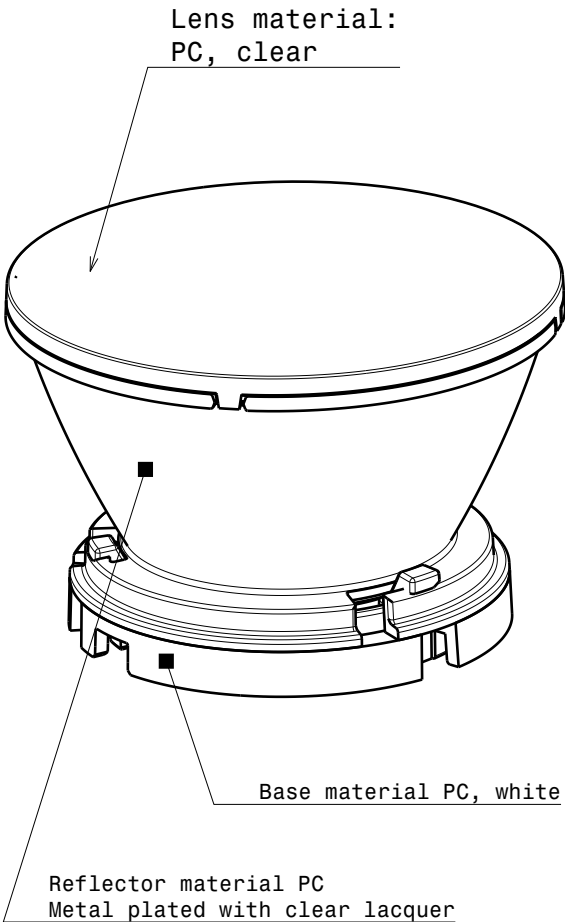
4

3

3

2

2



NOTE:

Using optional sublens, add 2.1mm to the system height

Dimension 'h2' varies from 4.5mm to 7mm depending on the LED specific base part

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Ledil Oy  
Salorankatu 10  
FIN-24240 SALO  
Finland

DRAWING TITLE

Datasheet Lenina series

DRAWN BY  
pl

DATE  
08.03.2012

CHECKED BY

DATE

SIZE A4 DRAWING NUMBER -- REV 1

DESIGNED BY  
pl

DATE  
08.03.2012

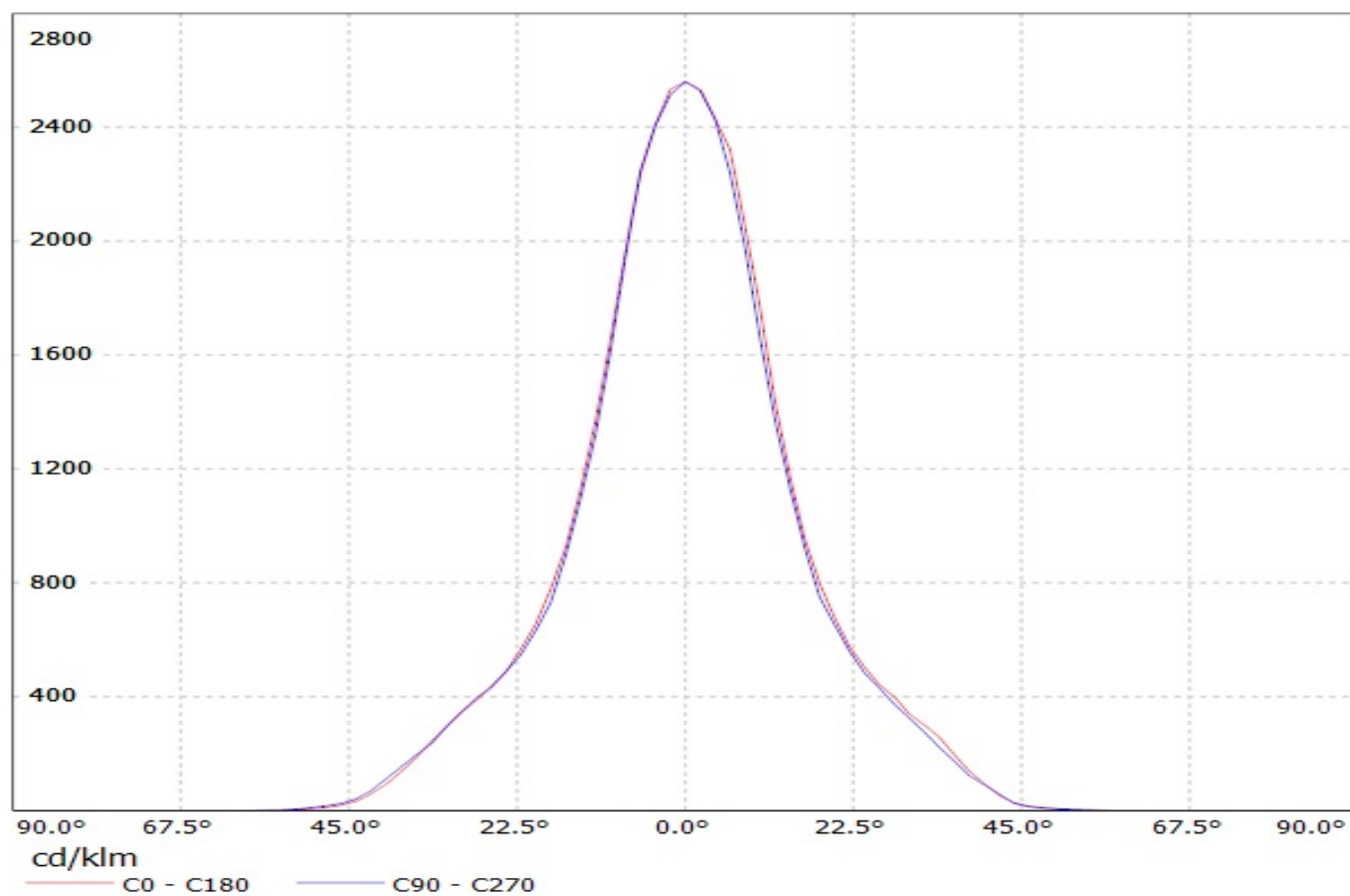
SCALE 1:1 WEIGHT (g) SHEET 1/1

1

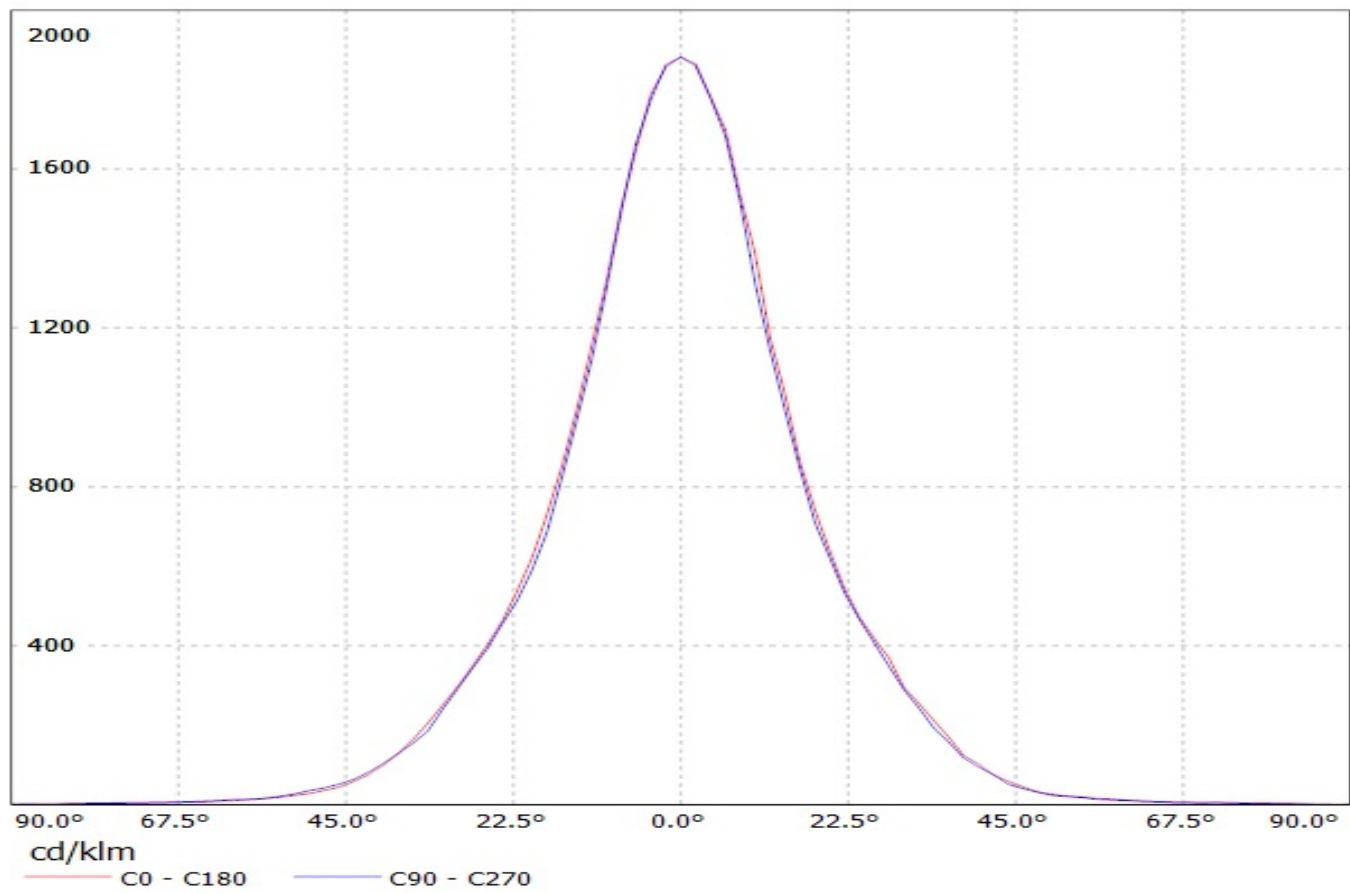
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D A

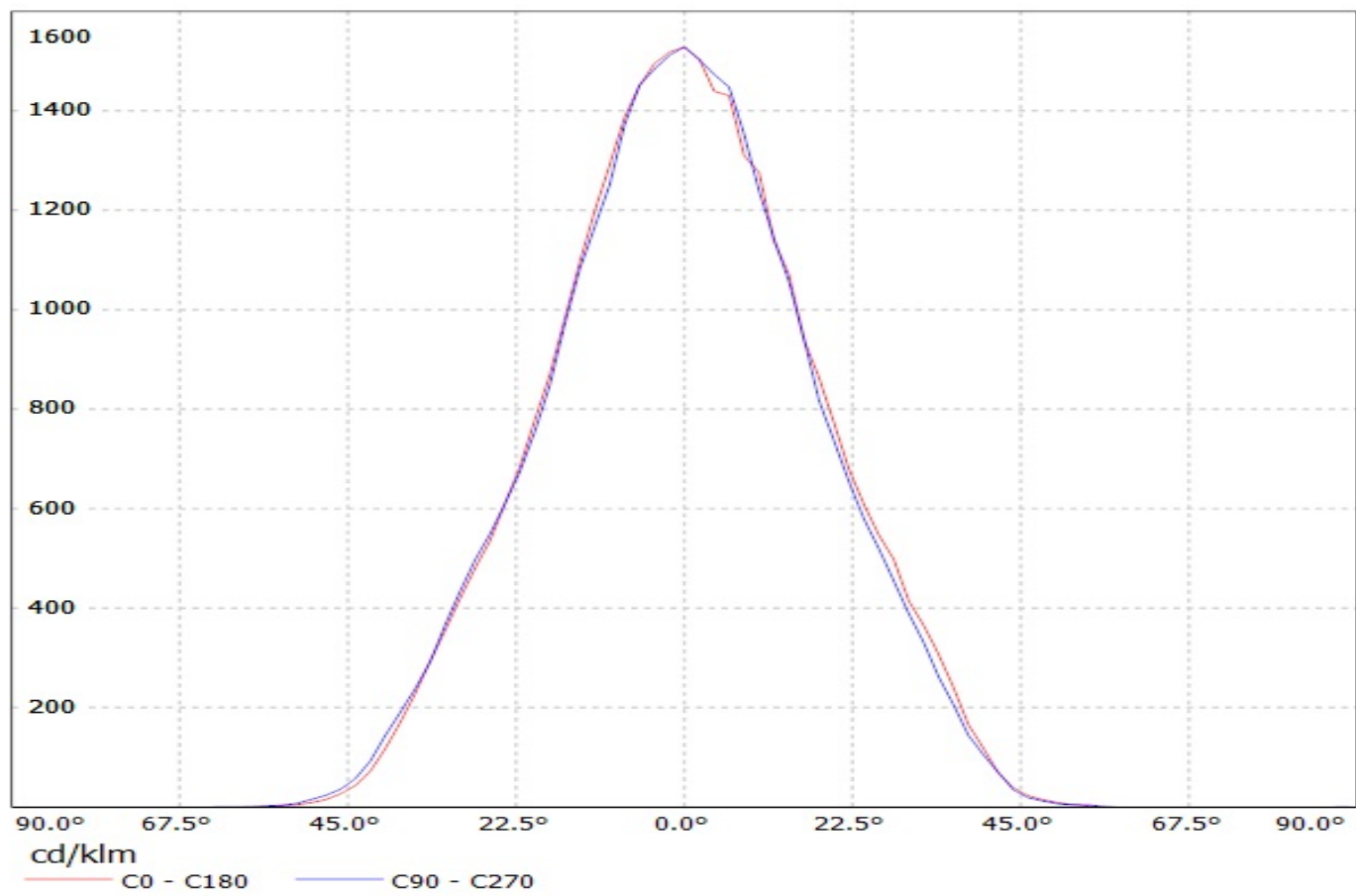
Luminaire: Ledil Oy CN12706\_LENINA-S (Citizen CLL040-1818 1044lm @ 250mA) Efficiency=86%  
Lamps: 1 x Citizen CLL040-1818 1044lm @ 250mA



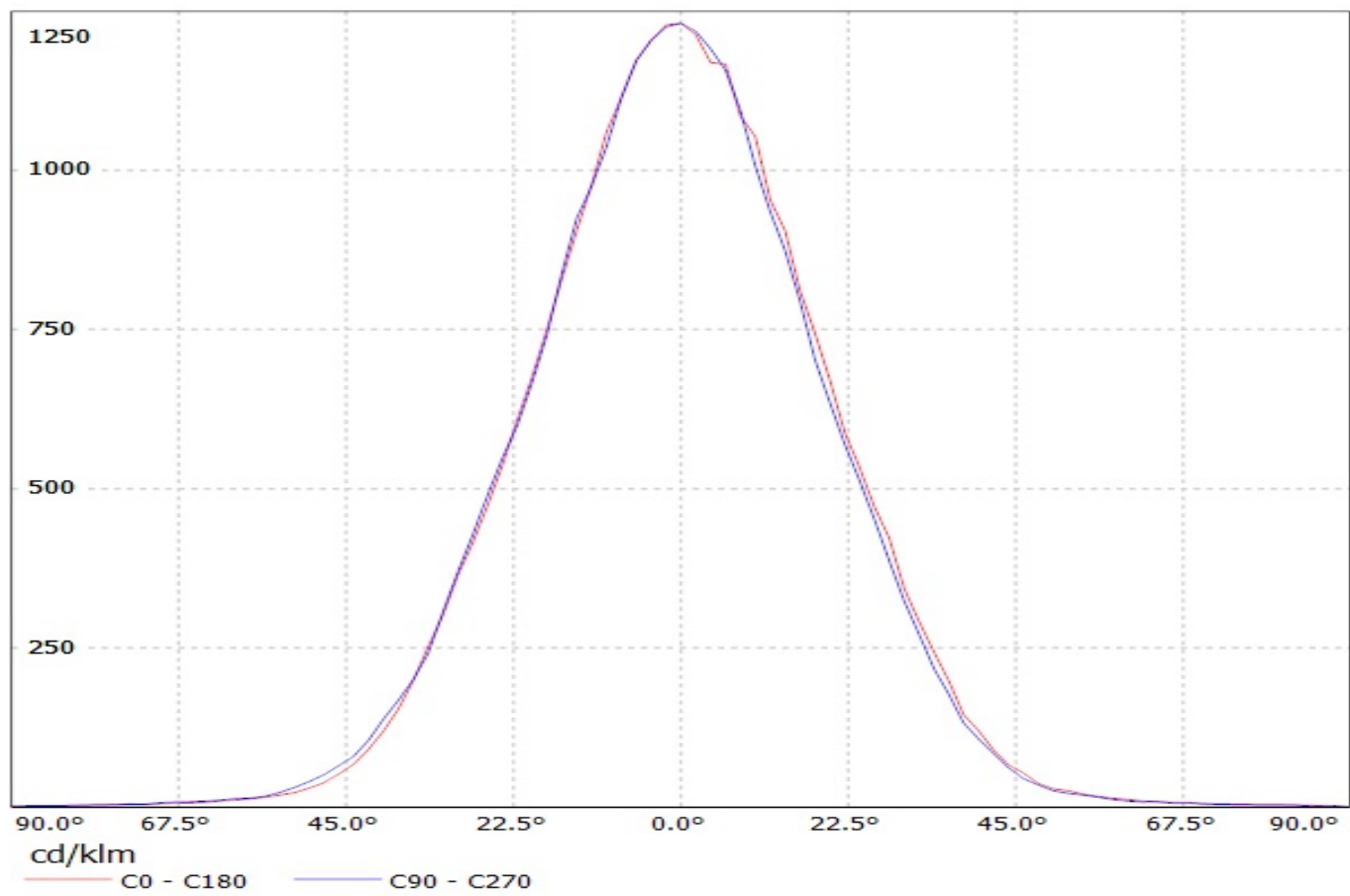
Luminaire: Ledil Oy CN12709\_LENINA-S-DL (Citizen CLL040-1818 1044lm @ 250mA) Efficiency=78%  
Lamps: 1 x Citizen CLL040-1818 1044lm @ 250mA



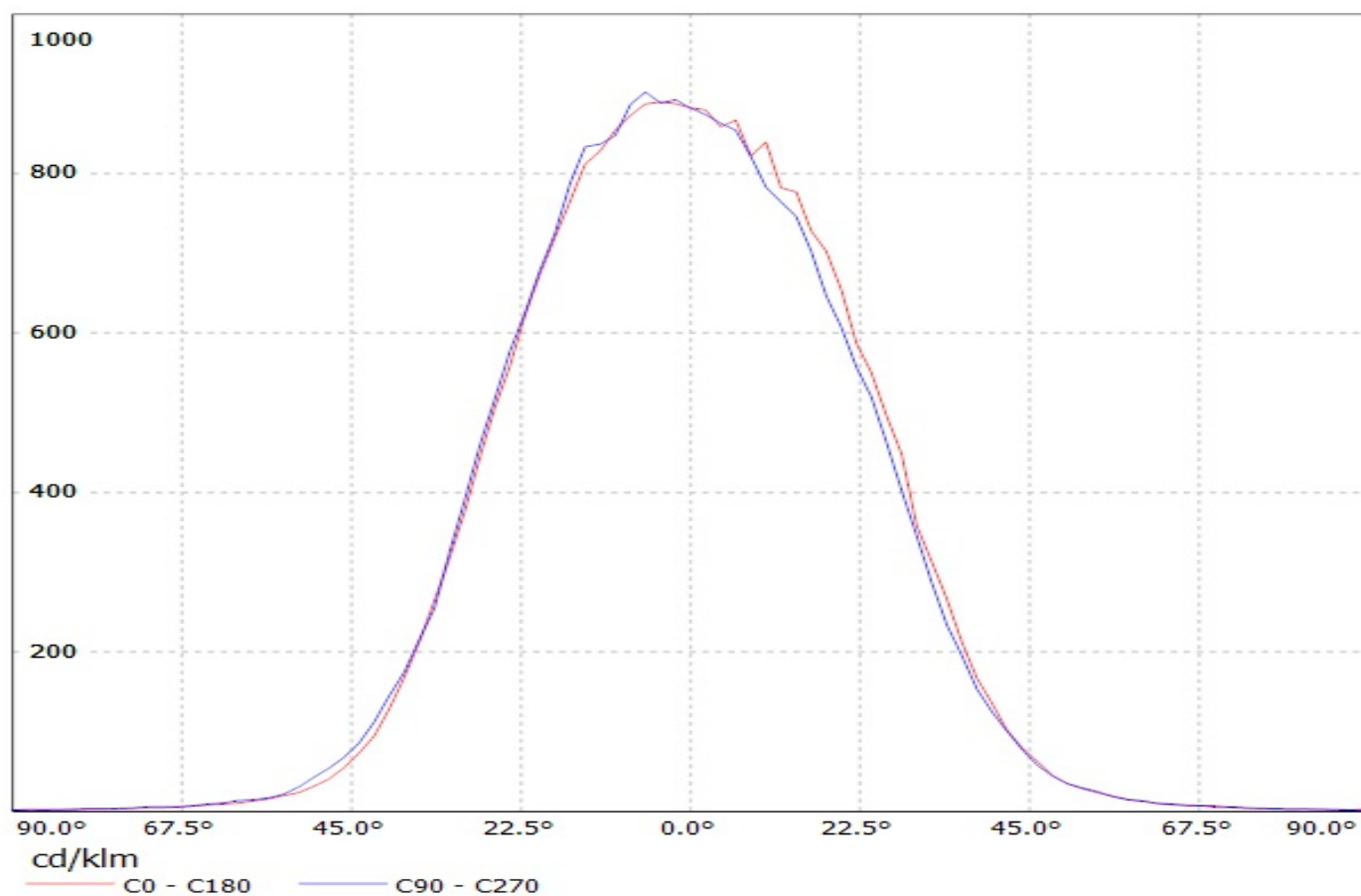
Luminaire: Ledil Oy CN12707\_LENINA-M (Citizen CLL040 1044lm @ 250mA) Efficiency=86%  
Lamps: 1 x Citizen CLL040 1044lm @ 250mA



Luminaire: Ledil Oy CN12710\_LENINA-M-DL (Citizen CLL040 1044lm @ 250mA) Efficiency=78%  
Lamps: 1 x Citizen CLL040 1044lm @ 250mA

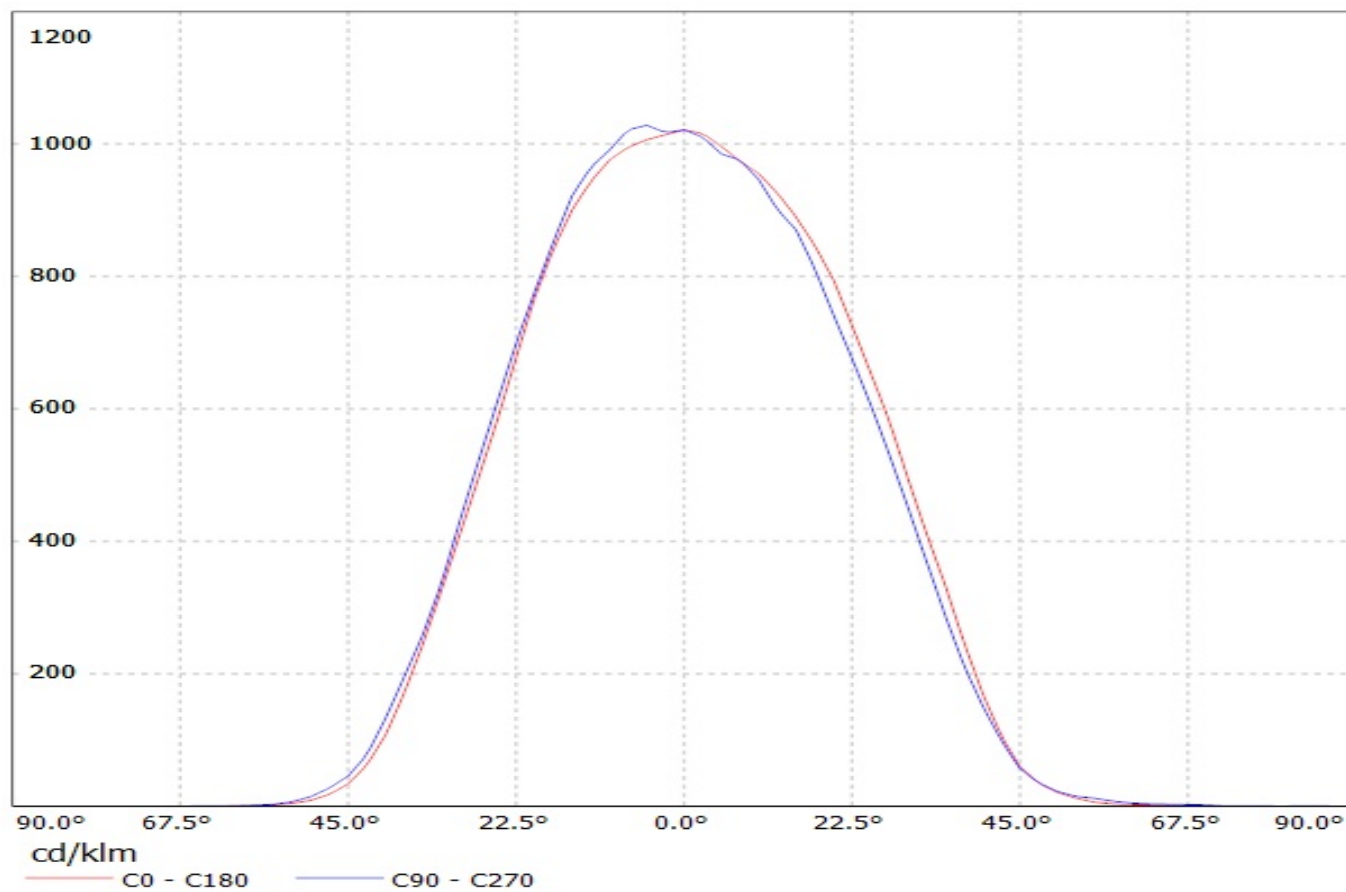


Luminaire: Ledil Oy CN12711\_LENINA-W-DL (Citizen CLL040 1044lm @ 250mA) Efficiency=76%  
Lamps: 1 x Citizen CLL040 1044lm @ 250mA

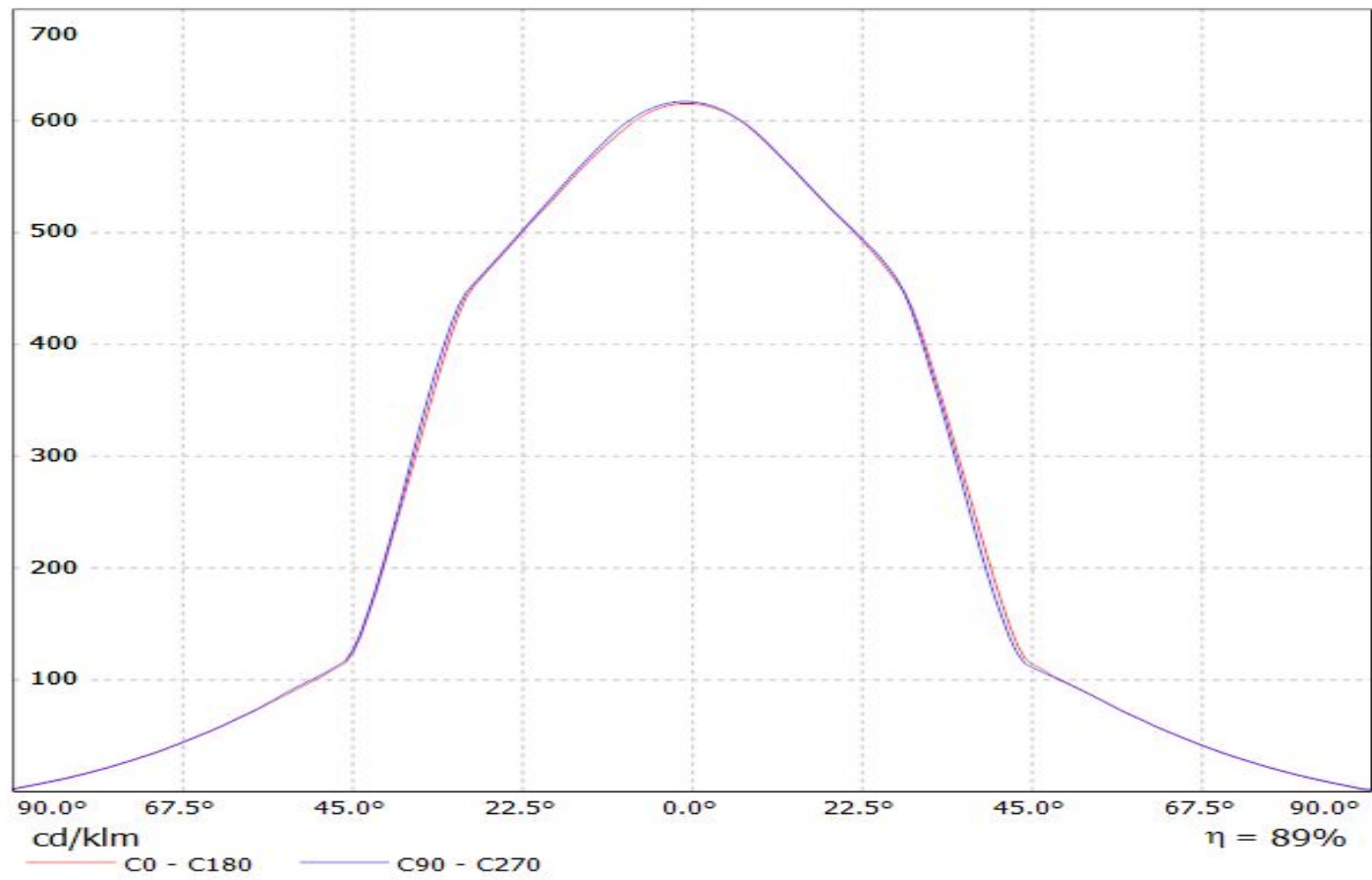




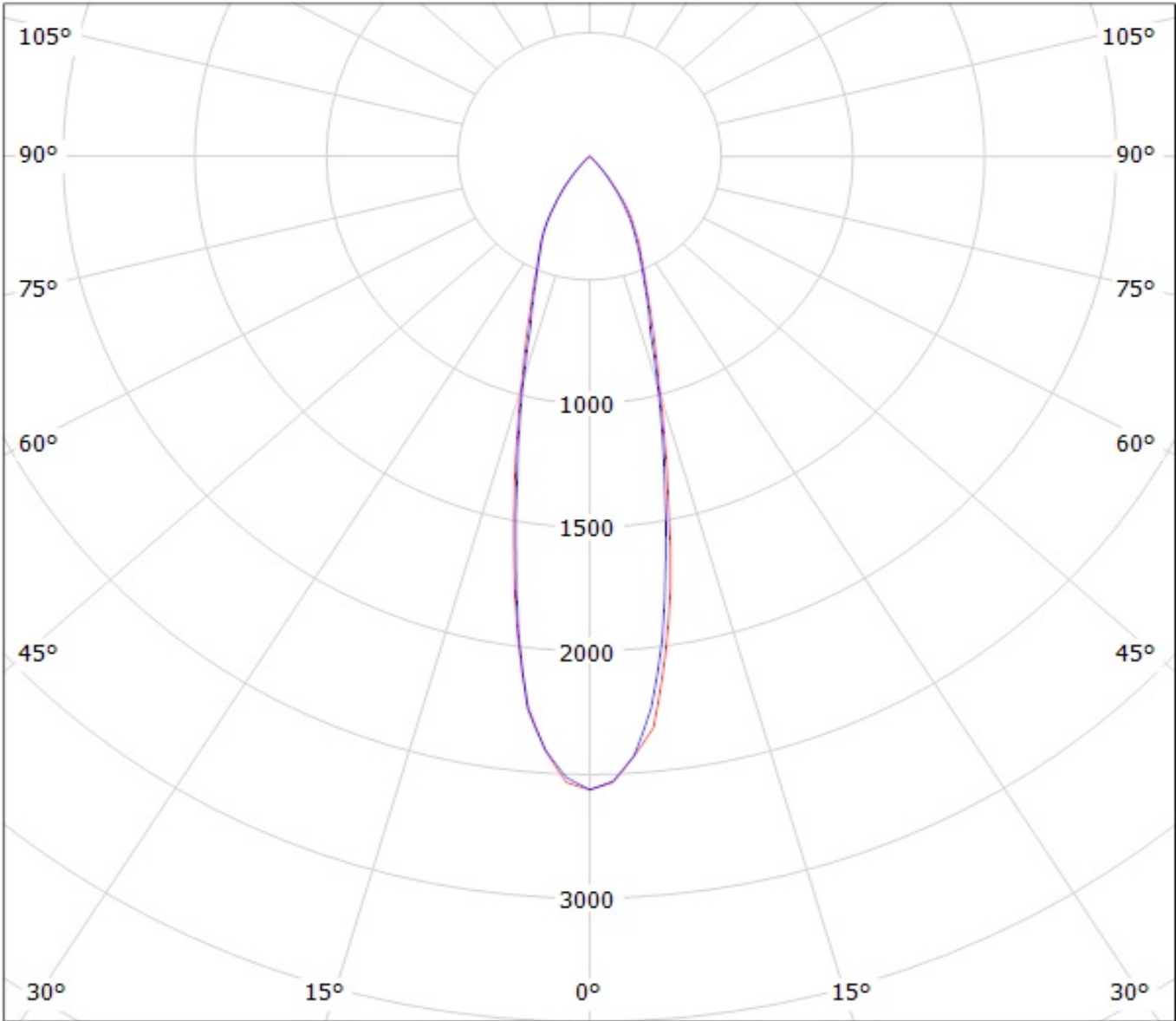
Luminaire: Ledil Oy CN12708\_LENINA-W (Citizen CLL040 1044lm @ 250mA) Efficiency=84%  
Lamps: 1 x Citizen CLL040 1044lm @ 250mA



Luminaire: LEDIL OY CN12965\_LENINA-XW Eff.88.8%  
Lamps: 1 x CLL040 (897.6lm@250mA)



Luminaire: Ledil Oy CN12706\_LENINA-S (Citizen CLL040-1818 1044lm @ 250mA) Efficiency=86%  
Lamps: 1 x Citizen CLL040-1818 1044lm @ 250mA

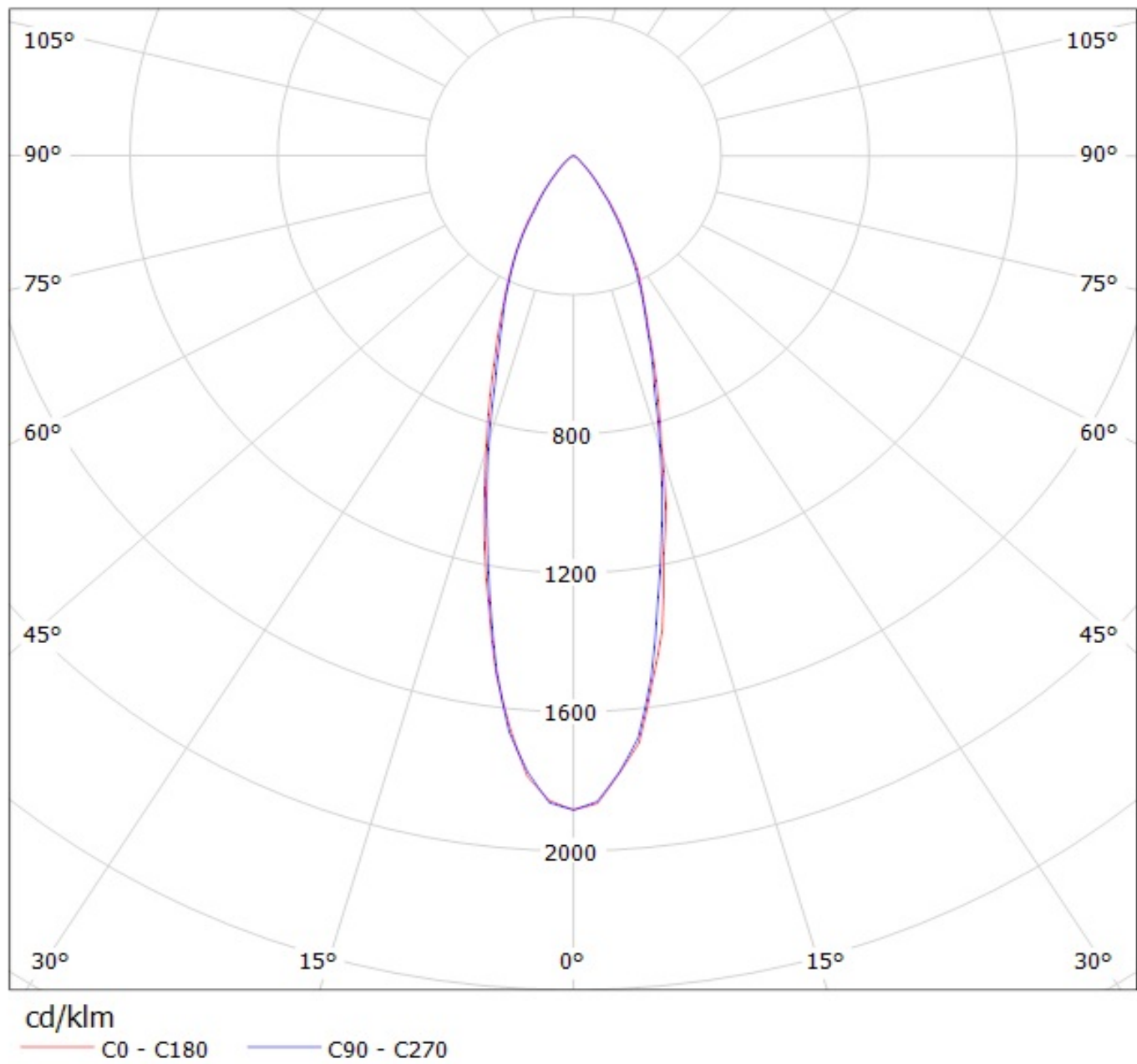


cd/klm

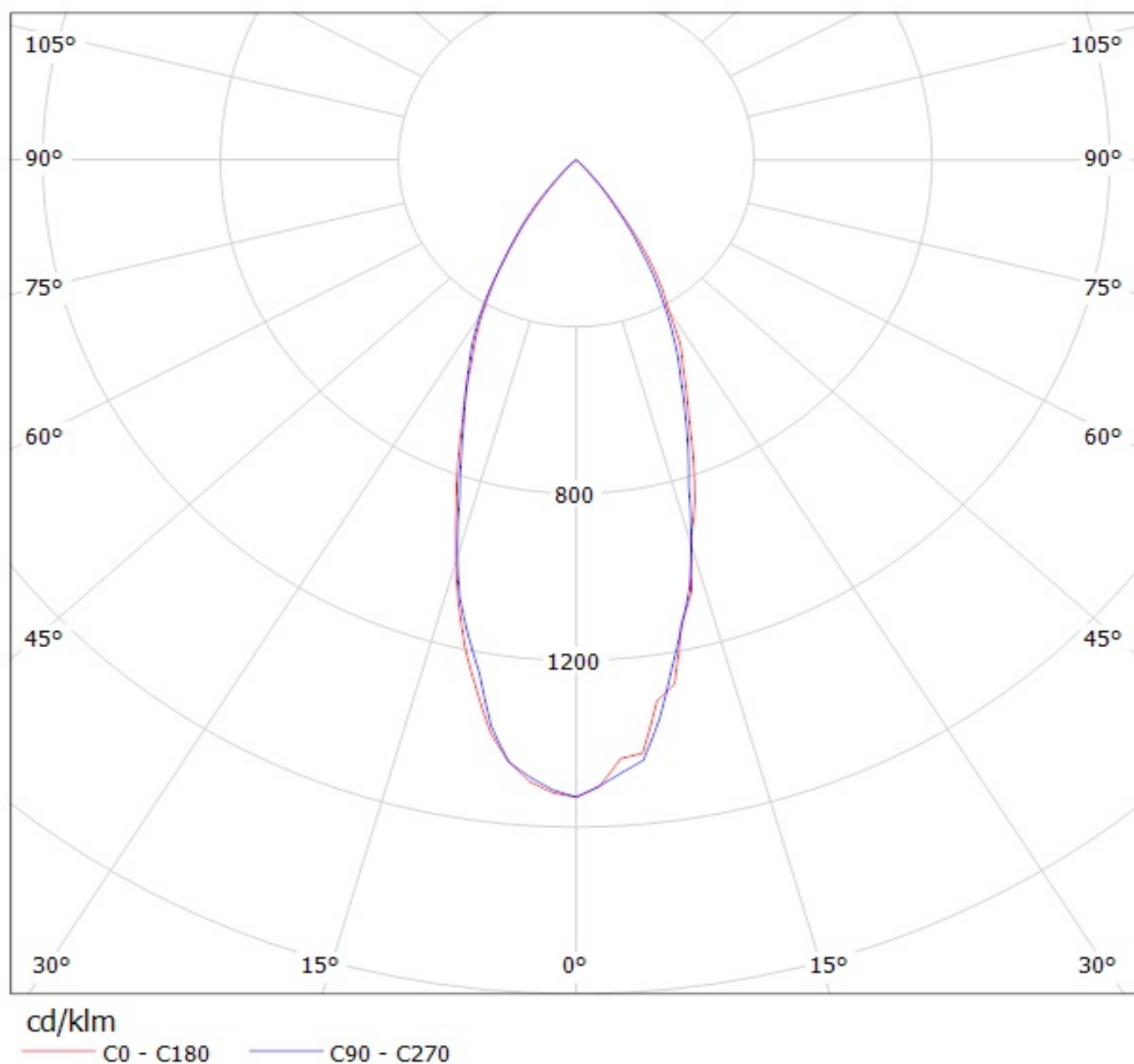
C0 - C180

C90 - C270

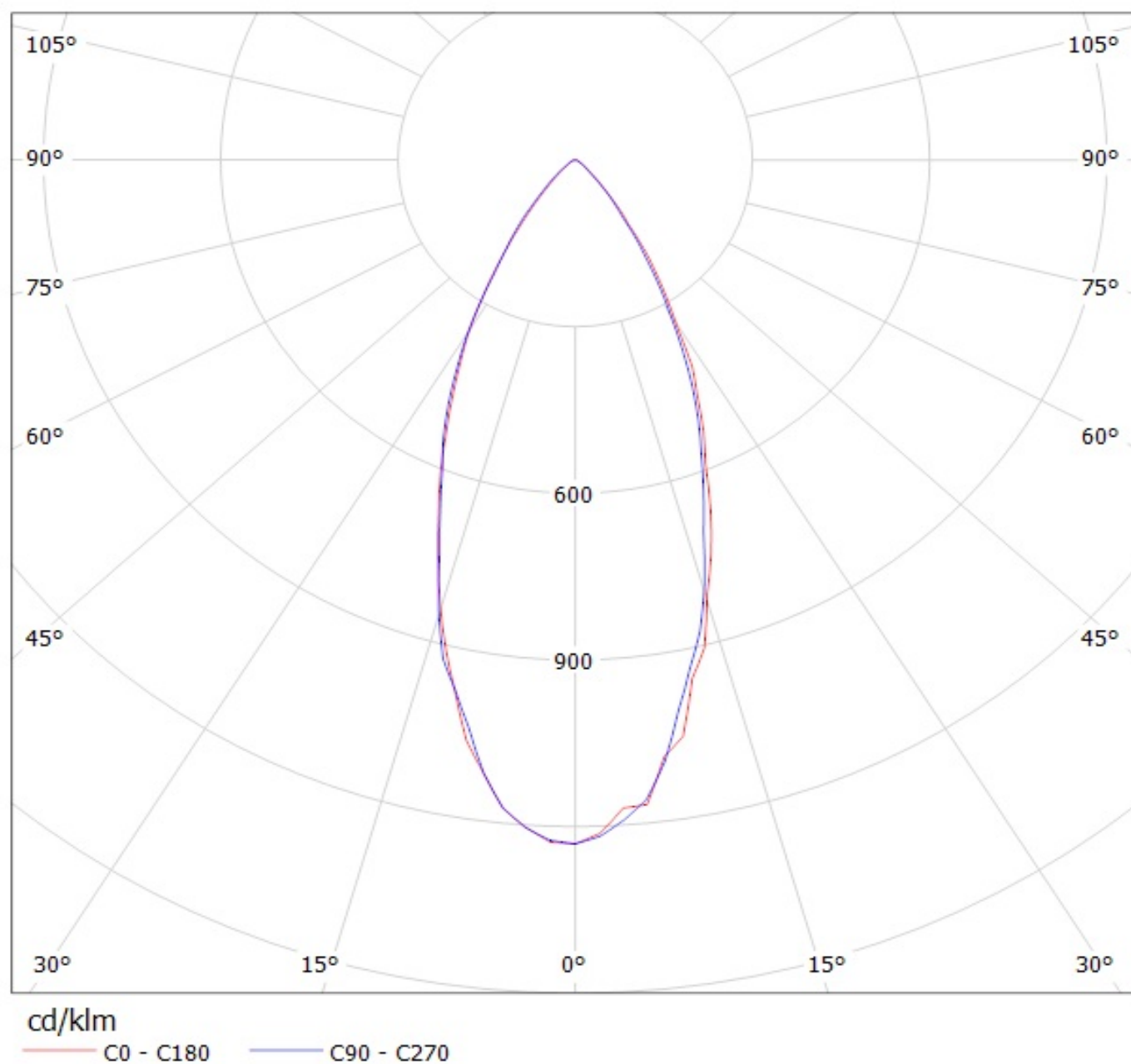
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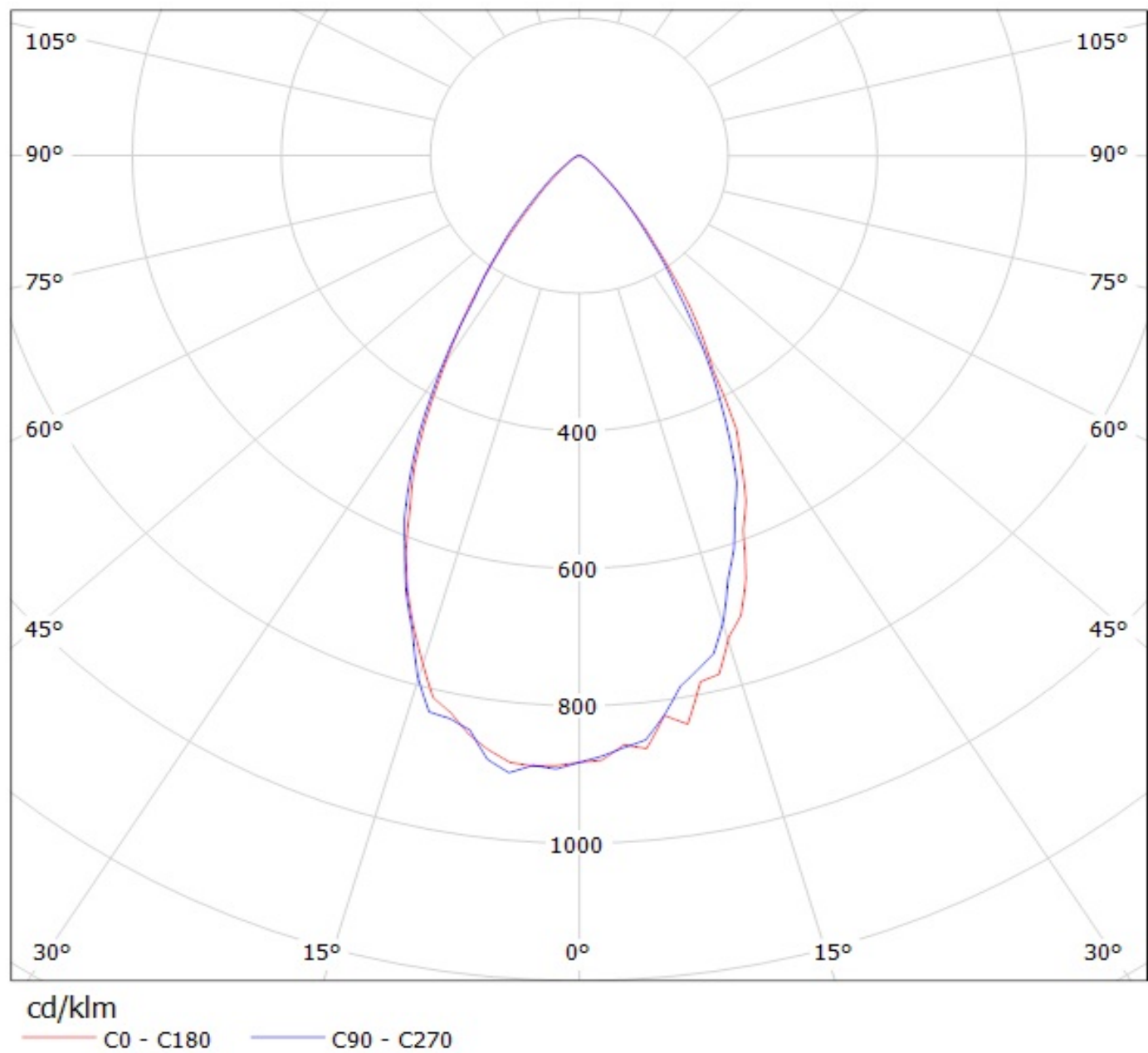
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Lamps: 1 x Citizen CLL040 1044lm @ 250mA



Luminaire: Ledil Oy CN12710\_LENINA-M-DL (Citizen CLL040 1044lm @ 250mA) Efficiency=78%  
Lamps: 1 x Citizen CLL040 1044lm @ 250mA

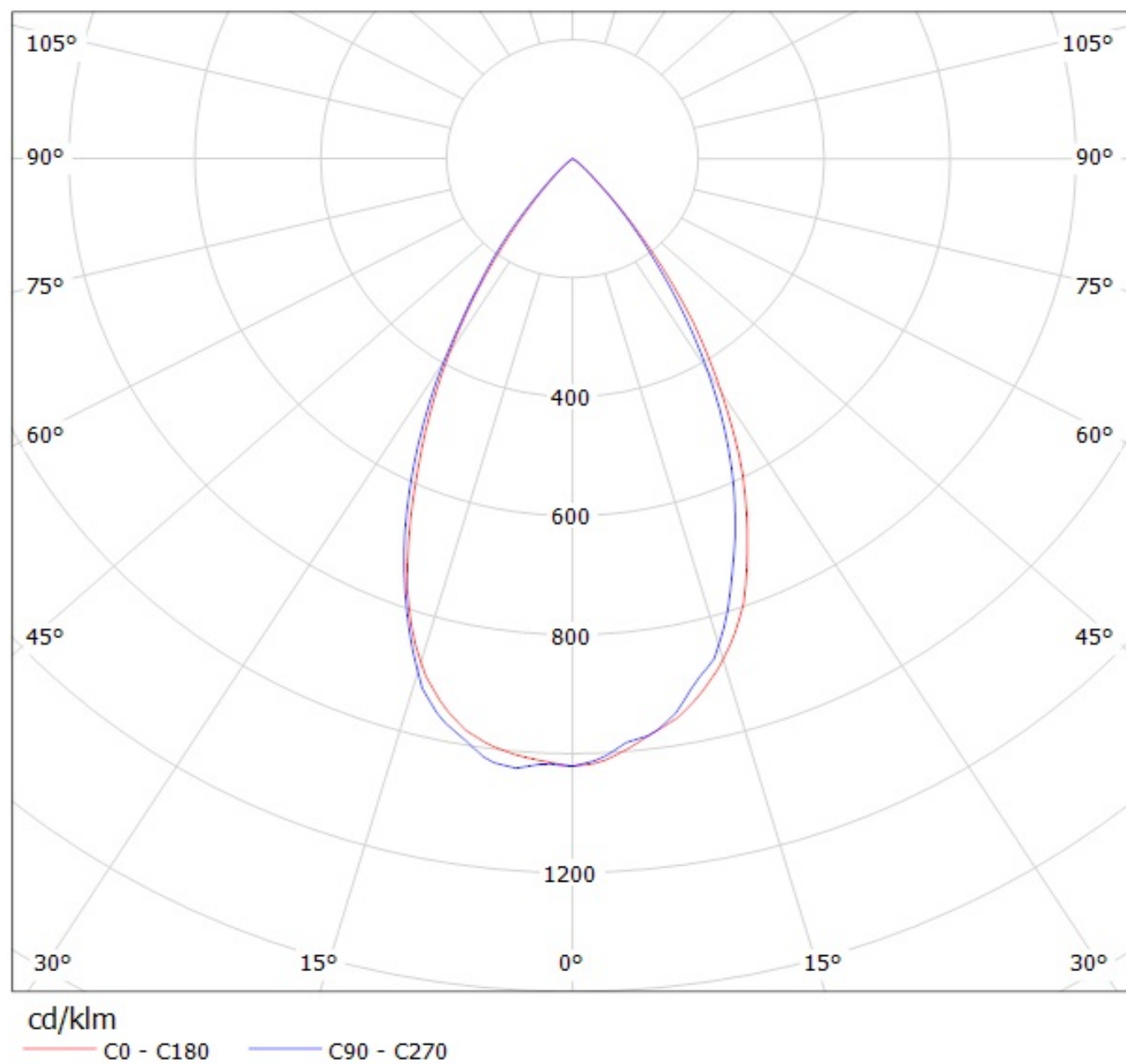


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Luminaire: Ledil Oy CN12708\_LENINA-W (Citizen CLL040 1044lm @ 250mA) Efficiency=84%  
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